

IRTHLINGBOROUGH  
URBAN DISTRICT



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ANNUAL REPORT

of the

Medical Officer of Health

for the

Year 1964



R. F. McKNIGHT, M.A., M.R.C.S., L.R.C.P., D.P.H., D.T.M. & H.

Together with the Report of

E. K. PHILPOT, Cert.R.S.I.



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# Irthlingborough Urban District.

## SUMMARY OF VITAL STATISTICS, 1964.

Area (acres)	...	...	...	...	...	...	...	2,910
Population 1921 (census)	...	...	...	...	...	...	...	4,911
„ 1931 (census)	...	...	...	...	...	...	...	4,621
„ 1951 (census)	...	...	...	...	...	...	...	5,015
„ 1964	...	...	...	...	...	...	...	5,160
Number of separate dwellings occupied 1921 (census)	...	...	...	...	...	...	...	1,002
„ „ „ „ „ 1931 (census)	...	...	...	...	...	...	...	1,208
„ „ „ „ „ 1964 (31.3.65)	...	...	...	...	...	...	...	1,822
Rateable value, 1964 (1.4.65)	...	...	...	...	...	...	...	£195,652
Product of a penny rate, 1964 (1.4.65)	...	...	...	...	...	...	...	£800

<b>Live Births.</b>					<i>Total</i>	<i>Male</i>	<i>Female</i>	<i>Rate</i>
Legitimate	...	...	...	...	83	40	43	
Illegitimate	...	...	...	...	2	1	1	
					85	41	44	16.47

<b>Stillbirths.</b>					<i>Total</i>	<i>Male</i>	<i>Female</i>	<i>Rate</i>
Legitimate	...	...	...	...	1	1	—	
Illegitimate	...	...	...	...	—	—	—	
					1	1	—	0.19

					<i>Total</i>	<i>Male</i>	<i>Female</i>	<i>Rate</i>
<b>Deaths (all causes)</b>	...	...	...	...	41	21	20	7.94

### Deaths from Puerperal Causes.

Puerperal and post-abortive sepsis	...	...	...	...	...	...	...	<i>nil.</i>
Other puerperal causes	...	...	...	...	...	...	...	<i>nil.</i>

<b>Infant Mortality</b> —rate per 1,000 live births.					<i>Total</i>	<i>Male</i>	<i>Female</i>	<i>Rate</i>
Legitimate	...	...	...	...	—	—	—	
Illegitimate	...	...	...	...	—	—	—	
					—	—	—	<i>nil.</i>

<b>Deaths from Cancer (All ages)</b>	...	...	...	...	...	...	...	8
„ „ Measles (All ages)	...	...	...	...	...	...	...	<i>nil.</i>
„ „ Whooping Cough (All ages)	...	...	...	...	...	...	...	<i>nil.</i>
„ „ Diarrhoea (under 2 years)	...	...	...	...	...	...	...	<i>nil.</i>

# Irthlingborough Urban District Council.

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## *Members of the Public Health Committee :*

COUNCILLORS H. K. WOOLSEY (Chairman), B. BRIGHTWELL (Vice-Chairman), A. BOWES, R. B. BLAND, C. E. GRIMMER, S. D. HOUGHTON.

## *Public Health Officers of the Local Authority :*

Medical Officer of Health,

R. F. McKNIGHT, M.A., M.R.C.S., L.R.C.P., D.P.H., D.T.M.&H.

## *also holds appointments of*

Medical Officer of Health, Wellingborough Urban District Council.

Medical Officer of Health, Wellingborough Rural District Council.

School Medical Officer.

## Secretary :

MISS J. PEARSON.

Public Health Inspector, Meat Inspector, Surveyor, etc.,

E. K. PHILPOT, Cert.R.S.I.

*Telephone,*  
*Office:* Wellingborough 2146.  
*Home:* Rothwell 322.

Health Department,  
Swanspool,  
Wellingborough.

*August, 1965*

**To the Chairman and Councillors of the Urban District Council of  
Irthlingborough.**

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present the annual report on the Health and Sanitary Circumstances of the district during the year 1964. This report is written on behalf of my predecessor, Dr. P. X. Bermingham, whose untimely death occurred in the closing days of the year under review, after an illness which had incapacitated him from duty during several months of the year. This report would have been the seventeenth report submitted by Dr. Bermingham to your Council and his previous reports have, by their clarity, been a very great help to me in writing this report. His death is undoubtedly a serious loss to the Council.

The report is set out as usual and is in accordance with the Ministry of Health Circular 1/65.

Under Section A of the report vital statistics affecting the area are set out. The total population is 5,160 as notified by the Registrar-General and shows a continuing fall from 1963 of 40 persons, also associated with a natural increase of 44. The death rate for 1964 was 7.94 per thousand population compared with 10.33 per thousand for the previous year. As in previous years the main cause of death in the Irthlingborough area continues to be heart disease, but even so there has been a decline compared with 1963, 25 deaths occurring as compared with 32. There were no deaths due to lung cancer during the course of the year and one death occurred due to Pulmonary Tuberculosis.

As far as births are concerned, 85 were recorded giving a rate of 16.47 per thousand population. This is slightly below the rate for 1963 when there were 102 births and the rate of 17.50 was the highest since 1948. There were two illegitimate births in the year giving a rate of 0.38 per thousand compared with 0.57 for the previous year. As far as deaths associated with childbirth are concerned, no case of maternal mortality was notified, no cases of death occurred in the first four weeks of life and no deaths within the first year of life, which is a very satisfactory situation.

Under Section B the General Provision of Health Services are set out and the area is well covered. An account of the activities of Irthlingborough Old People's Welfare Committee is included in this section and

I am grateful to the Hon. Secretary, Mrs. E. E. White, for the information in respect of the good work carried out by this committee amongst the old folk in the district.

The Sanitary Circumstances of the area are given in Section C. The high demand for water for trade purposes continues and the Council has, in fact, been able to meet the demand. However, the increasing volume of sewage is a serious problem to which an answer must be found as soon as possible. The standard of effluent produced by the works in 1964 was not up to the Ministry's standard and the reason is that the sewage is high in volume, and in trade waste, and the proportion of domestic sewage to trade waste is relatively low. A scheme has been prepared and forwarded to the Ministry but so far no action has been taken.

Section D is concerned with housing and it should be noted that the Council at the end of the year had 20 bed sitting room flats under construction. This is tailored to meet the population structure of the community. Private building again showed a development and 22 houses were built and 24 under construction at the end of the year.

Section E, Inspection and Supervision of Food, is a serious problem in Irthlingborough owing to the presence of a large dairy and pasteurisation plant and a food manufacturing firm working within the area of the U.D.C. The results of investigation by the Health Inspectorate into the tests carried on at these works are included and in general terms have been satisfactory.

Section F deals with the Prevalence of and Control over Infectious Diseases and it is interesting to report that during the year only 23 cases of measles were notified and there were no notifications of the major acute infectious illnesses. However, one new case of Tuberculosis was notified and this occurred in an elderly gentleman who received treatment. I must again reiterate that this happy state of affairs can only be maintained by the co-operation of the public in the preventive health measures particularly including vaccination and immunisation.

In conclusion I would like to thank Mr. Philpot and Miss Pearson for their assistance in the preparation of this report and I am sure that Dr. Bermingham would also have wished to thank those who joined together to lighten his task in the later months of 1964.

I have the honour to be

Your obedient Servant,

R. F. McKNIGHT,

*Medical Officer of Health.*

#### ACKNOWLEDGMENTS

Clerk of the Council

Surveyor and Public Health Inspector



## SECTION A.

### NATURAL AND SOCIAL CONDITIONS.

**Area**—The Urban District of Irthlingborough covers an area of 2,910 acres on which are 1,822 separate houses. The density of population is therefore 1.7 persons per acre and the housing factor is 2.8.

**Population**—The population of the Urban District of Irthlingborough is recorded as 5,160 in the Registrar General's returns for the year 1964. This shows a continuing fall from 1963 and in this case a fall of 40 persons. There was a natural increase of 44 and this shows a continuing upward trend in comparison with previous years.

**Deaths**—41 deaths were recorded during the year from all causes. This again shows a fall in comparison with the previous year, in this case of 13. The death rate for Irthlingborough for the year 1964 was 7.94 per 1,000 compared with a rate of 10.33 per thousand in the previous year. The death rate for England and Wales for 1964 was 11.3.

On examination of the causes of death in the Irthlingborough area, the main cause continues to be heart diseases, as in previous years, though the total numbers are reduced to 25 as compared with 32 in 1963. However, these figures are not statistically very significant in view of the small number and the small total population and the fact that this is one year's sample only. There has been a continued fall in the number of cases of deaths from coronary diseases from 12 to 5 and it is interesting that all these cases occurred in persons over 55 years of age.

In respect of cancer, the total number of deaths is 8, which is slightly less than in 1963. The tendency for cancer deaths to be in the younger age groups in 1963 has not been maintained this year and they have all occurred in the 55+ age groups. Too much should not be read into these figures. People tend to leave the area after they become ill in the younger age groups and comparison with recent years suggests that the absence of any record of deaths under 35 years in the year 1964 in Irthlingborough may be due to this cause. Nevertheless it would appear from these figures that the Irthlingborough area is an exceptionally healthy area for young people.

As far as Respiratory Tuberculosis is concerned, there was one death in an elderly female person over 75 years of age.

The following table shows a comparison between the death rates for the Administrative County, England and Wales and Irthlingborough :



## Death Rates, 1946-64

<i>Irthlingborough</i>					<i>Administrative England County &amp; Wales</i>	
<i>Year</i>	<i>Total</i>	<i>Male</i>	<i>Female</i>	<i>Recorded Rate</i>	<i>Recorded Rate</i>	
1946	51	23	28	10.85	12.00	11.5
1947	59	26	33	12.26	12.43	12.0
1948	55	29	26	11.7	11.00	10.8
1949	75	39	36	15.09	12.07	11.7
1950	47	26	21	9.65	12.01	11.6
1951	62	28	34	12.30	12.13	12.5
1952	58	32	26	11.60	11.04	11.3
1953	47	28	19	9.23	11.51	11.4
1954	48	30	18	9.39	11.04	11.3
1955	53	24	29	10.39	11.38	11.7
1956	71	36	35	13.92	11.24	11.7
1957	55	24	31	10.82	10.97	11.5
1958	48	24	24	9.33	11.17	11.7
1959	57	35	22	11.01	10.77	11.6
1960	61	32	29	11.70	10.88	11.5
1961	61	36	25	11.79	11.18	12.0
1962	62	27	35	11.90	11.07	11.9
1963	54	29	25	10.33	11.21	12.2
1964	41	21	20	7.91	*	11.3

\* *Not available.*

**Births**—There were 85 births recorded which gives a birth rate of 16.47 per thousand population. This is slightly below the rate for 1963 which was 17.50, but still continues to maintain an increase over the previous year when the rate was 14.39. The 1963 figure of 102 births was the highest since 1948. However, the national birth rate of 18.4 reveals the fact that the figure for Irthlingborough is low compared with the national figure and the national figure is continuing to rise.

**Illegitimate Births**—There were two illegitimate births in 1964, one less than the previous year, giving a rate of 0.38 per thousand of population compared with 0.57 for the previous year.

**Stillbirths**—There was one stillbirth which gives a rate of 0.19 per 1,000 of population which, again, is a reduction on the previous year when the rate was 0.37.

**Maternal Mortality**—No case of maternal mortality was notified during the year and, as recorded last year, it is now twenty-one years since the last death due to this cause was notified.

**Infant Mortality**—No infant deaths occurred and this is the first year since 1955 that no deaths have occurred and it is hoped that it will be possible to maintain this in the future. Last year one death occurred giving a rate of 10.98 per 1,000 live births.

**Neonatal Mortality**—This term refers to infant deaths occurring within the first four weeks of life and no deaths occurred in this particular section during the year. Last year the one infant death was in this section.

Following is a table giving infant mortality rates for England and Wales, the Administrative County and Irthlingborough over a number of years :

		1959	1960	1961	1962	1963	1964
Irthlingborough ...	...	15.38(1)	61.53(4)	15.15	13.33	10.98	Nil
Administrative County ...	...	20.20	22.57	17.61	19.54	17.92	*
England and Wales ...	...	22.0	21.7	21.4	20.7	20.9	20.0

‡ *Number of Deaths*

\* *Not available.*

## SECTION B.

### GENERAL PROVISION OF HEALTH SERVICES.

**Laboratory Services**—The examination of routine water samples, milk, washed bottle rinses and churn rinses are carried out by the Public Health Laboratory at Northampton, which comes under Dr. Hoyle. Samples of ice-cream are also examined at this laboratory and also samples associated with the control of communicable diseases. Irthlingborough is also served by a laboratory at Rushden Memorial Hospital, The Hayway, Rushden and another at the Park Hospital, Wellingborough. This latter is a branch of the main laboratory at Kettering General Hospital which comes under Dr. Voss. These laboratories examine samples associated with the control of communicable diseases, but do not examine samples of water, milk, ice-cream, and rinses.

**Ambulance Service, Home Nursing and Home Help Service**—The County Council are responsible for these services and the area is well covered.

**Hospital Accommodation and Out-patient Facilities**—The Oxford Regional Hospital Board are responsible for these services, which are as follows :

General hospitals are as follows :

Northampton.

Kettering.

Wellingborough Hospital : Gynæcological and children.

Highfield Hospital Wellingborough : Acute medical cases, skins and children.

Wellingborough Park Hospital : Chronic sick, the aged, and persons in need of care and attention.

Maternity : Maternity block at the Park Hospital, Wellingborough.

Tuberculosis : The Rushden House Sanatorium.

Orthopædic : The Manfield Orthopædic Hospital, Northampton.

Infectious diseases : The Harborough Road Hospital, Northampton.

Out-patient facilities : Northampton and Kettering General Hospitals, Rushden Memorial Hospital, Rushden.

Psychiatric Out-Patients : Rock Street, Wellingborough.

Orthopædic Out-patients : Rock Street, Wellingborough.

**Infant Welfare Centres**—The County Council are responsible for these centres and the following sessions are held :

St. Peter's Church Rooms—1st Thursday of the month.

Community Centre, Addington Road Estate—3rd Thursday of the month.

**National Assistance Act**—Section 47 of the National Assistance Act concerns Old Folk in need of care and attention. The Council was not required to act during the year and Irthlingborough Old People's Welfare Committee continued to carry out its work amongst the old people of the area and a copy of the Annual Report of this Committee has been supplied by the Hon. Secretary, Mrs. E. E. White, and following are some extracts from this report :

During 1964 a most successful annual holiday was spent at Southsea and coach outings were also arranged to Aylesbury and Overstone.

The annual party was held at Christmas and in addition Christmas gifts of 5/- were distributed to over 400 old people in the town.

The Meals on Wheels service continues successfully with Mrs. Musson in charge.

The Welfare Committee continued with their visits to housebound old people and more names have been added to the list.

During 1964 the sale of concession goods was started and this is proving most successful.

The chiropody service continued to run smoothly.

## SECTION C.

### SANITARY CIRCUMSTANCES OF THE AREA.

**Water Supply**—The Urban District Council was responsible for the water supplied to the town in 1964.

*Sources*—The water sources are from shallow wells sunk in the Nene Valley gravels and four wells are situated at the waterworks near Station Road. The principal or town well is augmented by two other wells and the fourth well is used for trade purposes only. The new well sunk in the river gravels is situated about a mile East of the present pumping station. The town well and the new well have submersible pumps which have a total capacity of 7,000 gallons per hour. The level of the new well showed no appreciable fall at a pumping rate of 12,000 gallons per hour. The yield from the town well and the two augmenting wells is approximately 228,000 gallons per day and the fourth well is used for trade purposes only and yields approximately 72,000 gallons per day.

*Treatment*—Water is chlorinated by means of Paterson's Gravity chloronome apparatus and filtration through three cylindrical sand filters takes place. Following chlorination and filtration the water passes to a 6,000 gallons balancing tank and from there to a storage reservoir in Windmill Road via two six-inch mains. The reservoir has a capacity of 650,000 gallons.

*Water Consumption*—Although the amount of water consumed during the year showed an increase on that for 1963, this increase was not so great as that shown in previous years. The figure for 1964 was 134,173,000 gallons, which is 5,700,000 more than the previous year. The water consumption figures for the last six years are as follows :

1959	1960	1961	1962	1963	1964
99,563,000	105,896,000	108,326,000	111,580,000	128,473,800	134,173,000

The following table shows the average daily consumption per head over the last six years :

		1964	1963	1962	1961	1960	1959
All purposes	...	70.69	67.81	60.72	57.07	55.79	53.49
Domestic	...	33.22	34.13	34.43	32.51	31.05	29.01
Trade	...	34.47	33.68	26.29	24.53	24.74	24.48

Again it will be seen that trade demands are very high.

**Water Samples**—288 samples were taken during the year for bacteriological examination and the results were as follows :

		<i>No. of samples</i>	<i>Very satisfactory</i>	<i>Satis- factory</i>	<i>Suspicious</i>	<i>Unsatis- factory</i>
Untreated water	...	144	126	9	2	7
Treated water	...	144	144	2	1	Nil

**Piped Water Supply**—All houses have a piped water supply with the exception of three houses in outlying districts.

**Drainage, Sewerage and Sewage Disposal—Sewage Works**—The total quantity of crude sewage dealt with at these works during the last nine months of the year was 99,342,000 gallons, which gives a daily average of 363,292 gallons. The full year's figures are not available due to a break-down in the recording device, but the figures show an increase of 20,210 gallons on the daily average.

An analysis of final effluent from these works taken on the 23rd January, 1964, gave the following results :

							<i>Final Effluent</i>
Appearance of Liquid	...	...	...	...	...	...	Slightly turbid, slightly brown
Appearance of Solids	...	...	...	...	...	...	Flocc, dark brown
Odour ...	...	...	...	...	...	...	Slight sewage
pH Value	...	...	...	...	...	...	7.05
Temperature	...	...	...	...	...	...	—
							<i>Parts per million</i>
Total Solids dried at 105°C	...	...	...	...	...	...	—
Suspended Solids dried at 105°C	...	...	...	...	...	...	65.
Suspended Solids ashed at 600°C	...	...	...	...	...	...	15.
Chlorides as Chlorine	...	...	...	...	...	...	910.
Alkalinity as Calcium Carbonate	...	...	...	...	...	...	270.
Free and Saline Ammonia as Nitrogen	...	...	...	...	...	...	4.9
Albuminoid Ammonia as Nitrogen	...	...	...	...	...	...	2.7
Nitrites as Nitrogen	...	...	...	...	...	...	0.02
Nitrates as Nitrogen	...	...	...	...	...	...	20.0
Permanganate Value (4 hours)	...	...	...	...	...	...	28.6
Biochemical Oxygen Demand in 5 days at 20°C	...	...	...	...	...	...	23.

**REMARKS**

*Unsatisfactory as regards suspended solids and B.O.D.*

Other samples were also taken during the year and none complied with the Royal Commission standard, due to the gross overloading of the sewage disposal works. As mentioned in previous reports, a scheme for improvements and extensions was prepared and forwarded to the Ministry some three years ago. Since that date a regional scheme has been proposed but no action has yet been taken. In the meantime the treatment of sewage at the existing works becomes more difficult and in particular the disposal of sludge is becoming a serious problem.

During 1964 the Council spent approximately £1,500 removing sludge, and unless some additional sludge drying beds are provided, this could be a recurring expenditure.

Thus once again it must be stressed that there seems little likelihood of any improvement in the standard of the final effluent unless improvements are carried out to the sewage works.

Special note should be taken of the fact that the sewage is particularly high in trade waste content and the proportion of trade waste to domestic sewage is unusual.

**Public Cleansing**--Refuse is collected weekly. Controlled tipping is carried out at the Council's tip off Windmill Road. Approximately 573 loads were collected during the year.

**Prevention of Damage by Pest Act, 1947**—The following is a summary of work carried out during the year :

Sewage works	...	...	...	...	Two treatments
Refuse tip	...	...	...	...	Two treatments
Surveys and inspections :					
Private dwellings	...	...	...	...	632
Other premises	...	...	...	...	63
Agricultural premises	...	...	...	...	14
Properties treated :					
Private dwellings	...	...	...	...	70
Other premises	...	...	...	...	11
Agricultural Premises	...	...	...	...	1

The Council decided that this work should be carried out by a member of their own staff and subsequently approved the appointment of a rodent operator.

**Caravan Sites and Control of Development Act, 1960**—There are no licensed caravan sites in the area.



## SECTION D.

### HOUSING.

The Council's housing programme for the year was as follows :

Number of Council houses built ... ..	Nil
Number under construction at the end of the year ... ..	21

Types of dwelling under construction :

Bed-Sitting Room Flats ... ..	20
Three-bedroom Flat (warden's accommoda- tion) ... ..	1

Private Development :

Number of private houses built during the year	22
Number under construction at the end of the year ... ..	24

At the end of the year there were 179 applicants for Council houses, which shows an increase of 24 on the figure at the end of the previous year. The number of Council Houses in the district is 708. The number of Council Houses, including East Midland Housing Accommodation, erected since 1945, is 448.

**Clearance of Unfit Properties**—Three properties were the subject of Closing Orders during the year. As a result of these and previous orders, seven properties were demolished.

**Improvement Grants**—During the year under review, 19 applicants for Improvement Grants were received. These grants comprised 18 Standard Grants and 1 Discretionary and all were approved. This is 8 less than in the previous year. Two of the Standard Grants were in respect of tenanted property.

Since Improvement Grants were commenced the number of applications received total 201 of which number 200 were approved but 7 were withdrawn or not proceeded with.

Work has been carried out and grants paid in respect of 170 dwellings. The total amount of money paid to 31/12/64 was £19,448.

The Council continued its programme to provide modern amenities for their pre-War Council houses and at the end of the year a further 53 had been completed. The number of Council houses improved now totals 196.

## SECTION E.

### INSPECTION AND SUPERVISION OF FOOD.

**Milk**—There is a large dairy and pasteurisation plant in the district. As the local authority is the licensing authority for this plant it means that frequent inspections must be carried out and the dairy is visited weekly.

**Milk Samples**—100 milk samples were taken during the year which is 20 more than the previous year. The results of these samples were as follows :

Methylene Blue Test, passed 98  
Aschaffenberg Test, passed 100

Two samples failed to pass the Methylene Blue test owing to the permissible atmospheric shade temperature being exceeded.

**Washed Bottle Rinses**—184 samples of rinses from washed bottles were taken and this is 24 more than the previous year. The results were as follows :

<i>Sterile</i>	<i>Satisfactory</i>	<i>Fairly satisfactory</i>	<i>Unsatisfactory</i>
71	70	28	15

**Churn Rinses**—276 samples were taken and the results were as follows :

<i>Sterile</i>	<i>Satisfactory</i>	<i>Fairly satisfactory</i>	<i>Unsatisfactory</i>
59	197	18	2

Unsatisfactory results are followed up and the firm is notified.

Assistance should be given to the milk trade by the general public in ensuring that all milk bottles are returned in a clean condition and these bottles should not be used for any other purpose.

The following licences were issued during the year :

Milk (Special Designations) (Pasteurised and Sterilised Milk) Regulations, 1949, dealers' licences	5
Milk (Special Designations (Raw Milk) Regulations 1949, licences	1
Supplementary dealers' licences	1

**Slaughterhouses**—There are no licensed slaughterhouses in the district but adjacent authorities with slaughterhouses carry out a 100% inspection of all animals killed for human consumption.

**Manufacture and Sale of Ice-cream**—There are 23 premises registered for the sale of Ice-cream. No samples were taken during the year.

**Inspection of Food Premises**—Inspections of food premises are carried out and this is important. Many routine visits were made to a large food manufacturing firm in the town and complaints received from other authorities were investigated at their request.

## SECTION F.

### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

**Smallpox**—No cases of smallpox have been reported in Irthlingborough and in this connection it is satisfactory to note at clinics that vaccination, while not popular, is being accepted as a necessary unpleasantness for their children in the early part of life by young mothers, and suggests that the Health Education that school children are receiving is bearing fruit in adult life.

**Scarlet Fever**—No cases were notified during the year. This is the third year in succession in which no cases have been notified.

**Diphtheria**—No cases were notified and it is now over 26 years since a case occurred in the district.

**Whooping Cough**—For the fourth year in success no notifications have been received.

**Measles**—23 cases were notified. This was not a "measles year" and compares very well with 1963 when 119 cases were notified.

**Erysipelas**—No cases were notified.

**Pneumonia**—No cases were notified, and no deaths were attributed to this cause.

**Influenza**—For the third year in succession there were no deaths from this cause.

**Poliomyelitis**—Vaccination has continued to have its affect on the incidence of poliomyelitis in Irthlingborough. No cases were notified in 1964 and it is 14 years since the last case was notified in the area. It is a remarkable situation which can only be maintained by the continuation of vaccination for the foreseeable future. Nearly every child in the town is vaccinated against poliomyelitis through the activities of the medical practitioners or the health staff and they are vaccinated at an early age.

**Food Poisoning**—No cases were notified. This is the third year in which no cases were notified.

**Dysentery**—No cases were notified.

**Epidemic Diarrhoea and Vomiting**—No cases have been notified in this area though we are always on the alert for this condition in Irthling-

borough. It is difficult to say whether the disease is in fact of bacterial or virus origin and therefore methods of control must be extended to cover both these possible sources and one cannot stress too strongly the absolute necessity for facilities for hand washing for those engaged in food handling.

**Infective Hepatitis**—No cases were notified during the year but alertness for the occurrence of this disease should not be allowed to diminish because of the low incidence. Cases of infective hepatitis have occurred in adjacent and neighbouring districts of the County in the area.

**Tuberculosis**—One new case of tuberculosis was notified. This was an elderly gentleman who is receiving treatment. One death from tuberculosis occurred in an elderly lady over 75 years of age.

It is to be hoped that the incidence of tuberculosis in the very old is dying out, though we may yet have some way to go in this connection.

The majority of schoolchildren at Irthlingborough school, during their school days, receive a Heaf Test to see if they are resistant or otherwise to Tuberculosis and those who are non-resistant receive B.C.G., which is a live vaccine prepared against tuberculosis. The interesting point in this situation is the rapid decline in the number of children who have previously been exposed to tuberculosis and so became sensitive when the test is applied. The drop is to a figure of around 5% of the total number of the age group 12-13 years. This compares with a figure in the 1950's of approximately 35% of children who showed positive reactions, and so indicated contact with other Tubercle Bacillus at some time in their lives.

The following table shows the number of new cases and deaths :

			<i>New Cases</i>				<i>Deaths</i>			
			<i>Pulmonary</i>		<i>Non-Pulmonary</i>		<i>Respiratory</i>		<i>Non-Respiratory</i>	
			M.	F.	M.	F.	M.	F.	M.	F.
1959	...	...	—	2	—	—	2	—	—	—
1960	...	...	2	1	—	—	—	1	1	—
1961	...	...	1	—	—	—	—	—	—	—
1962	...	...	1	—	—	—	—	—	—	—
1963	...	...	2	—	—	—	1	—	—	—
1964	...	...	1	—	—	—	—	1	—	—

No cases were admitted to the Rushden Hospital but one was discharged during the year.

The number of persons on the tuberculosis register at the end of the year was as follows :

		<i>Males</i>	<i>Females</i>	<i>Total</i>
Pulmonary	...	21	7	28
Non-Pulmonary	...	2	2	4
				<hr/> 32 <hr/>

## SECTION G.

### THE FACTORIES ACT, 1937 TO 1959

There are 46 factories on the register and 40 inspections were carried out. No notices were served. The number of outworkers on the August list was 28. No complaints were received concerning the carrying out of outwork (S.13. and 134).

# SECTION H.

## STATISTICAL TABLES, 1964.

TABLE NO. 1.

### CAUSES OF DEATH, 1964.

Cause of Death	Sex	4 Total Under and 1— 5— 15— 25— 35— 45— 55— 65— 75 Ages 4 under weeks 1 yr and over												
1. Tuberculosis, respiratory ...	M	—	—	—	—	—	—	—	—	—	—	—	—	
	F	1	—	—	—	—	—	—	—	—	—	—	1	
2. Tuberculosis, other ...		—	—	—	—	—	—	—	—	—	—	—	—	
3. Syphilic disease ...		—	—	—	—	—	—	—	—	—	—	—	—	
4. Diphtheria ...		—	—	—	—	—	—	—	—	—	—	—	—	
5. Whooping Cough ...		—	—	—	—	—	—	—	—	—	—	—	—	
6. Meningococcal infections ...		—	—	—	—	—	—	—	—	—	—	—	—	
7. Acute Poliomyelitis ...		—	—	—	—	—	—	—	—	—	—	—	—	
8. Measles ...		—	—	—	—	—	—	—	—	—	—	—	—	
9. Other infective and parasitic diseases ...		—	—	—	—	—	—	—	—	—	—	—	—	
10. Malignant neoplasm, stomach		—	—	—	—	—	—	—	—	—	—	—	—	
11. Malignant neoplasm lung, bronchus ...		—	—	—	—	—	—	—	—	—	—	—	—	
12. Malignant neoplasm, breast	M	—	—	—	—	—	—	—	—	—	—	—	—	
	F	1	—	—	—	—	—	—	—	1	—	—	—	
13. Malignant neoplasm, uterus		—	—	—	—	—	—	—	—	—	—	—	—	
14. Other Malignant and Lymphatic Neoplasms ...	M	3	—	—	—	—	—	—	—	—	1	—	2	
	F	4	—	—	—	—	—	—	—	—	—	3	1	
15. Leukæmia, aleukæmia ...		—	—	—	—	—	—	—	—	—	—	—	—	
16. Diabetes ...		—	—	—	—	—	—	—	—	—	—	—	—	
17. Vascular lesions of nervous system ...	M	4	—	—	—	—	—	—	—	—	2	—	2	
	F	4	—	—	—	—	—	—	—	—	1	1	2	
18. Coronary disease, angina ...	M	4	—	—	—	—	—	—	—	—	1	2	1	
	F	1	—	—	—	—	—	—	—	—	—	1	—	
19. Hypertension with heart disease ...	M	—	—	—	—	—	—	—	—	—	—	—	—	
	F	1	—	—	—	—	—	—	—	—	—	—	1	
20. Other heart disease ...	M	6	—	—	—	—	—	—	—	—	1	2	3	
	F	4	—	—	—	—	—	—	1	—	—	—	3	
21. Other circulatory disease ...	M	—	—	—	—	—	—	—	—	—	—	—	—	
	F	1	—	—	—	—	—	—	—	—	1	—	—	
22. Influenza ...		—	—	—	—	—	—	—	—	—	—	—	—	
23. Pneumonia ...		—	—	—	—	—	—	—	—	—	—	—	—	
24. Bronchitis ...	M	1	—	—	—	—	—	—	—	—	—	—	1	
	F	—	—	—	—	—	—	—	—	—	—	—	—	
25. Other diseases of respiratory system ...		—	—	—	—	—	—	—	—	—	—	—	—	
26. Ulcer of stomach and duodenum ...		—	—	—	—	—	—	—	—	—	—	—	—	
27. Gastritis, enteritis and diarrhoea ...		—	—	—	—	—	—	—	—	—	—	—	—	
28. Nephritis and nephrosis ...		—	—	—	—	—	—	—	—	—	—	—	—	
29. Hyperplasia of prostate ...		—	—	—	—	—	—	—	—	—	—	—	—	
30. Pregnancy, childbirth, abortion ...		—	—	—	—	—	—	—	—	—	—	—	—	
31. Congenital malformations ...		—	—	—	—	—	—	—	—	—	—	—	—	
32. Other defined and ill-defined diseases ...	M	1	—	—	—	—	—	—	—	1	—	—	—	
	F	2	—	—	—	—	—	—	—	1	—	—	1	
33. Motor vehicle accidents ...		—	—	—	—	—	—	—	—	—	—	—	—	
34. All other accidents ...	M	—	—	—	—	—	—	—	—	—	—	—	—	
	F	1	—	—	—	—	—	—	—	—	—	—	1	
35. Suicide ...	M	2	—	—	—	—	—	—	—	—	—	1	—	
	F	—	—	—	—	—	—	—	—	—	—	—	—	
36. Homicide and operations of war ...		—	—	—	—	—	—	—	—	—	—	—	—	
TOTAL : ALL CAUSES ...	M	21	—	—	—	—	—	—	—	1	—	6	5	9
	F	20	—	—	—	—	—	—	—	2	—	3	5	10



## VITAL STATISTICS FOR 1964 AND PREVIOUS YEARS.

Year	Estimated Population	Births		Deaths			
		No	Rate	Under 1 year No.	1 year Rate	All Ages No.	Rate
1891	2,998	—	—	—	—	—	—
1901	4,340	—	—	—	—	—	—
1902	5,526	158	31.9	21	132.9	60	13.2
1903	4,728	152	32.1	23	151.3	63	13.3
1904	4,664	137	29.3	11	80.2	56	12.0
1905	4,664	150	32.1	11	93.3	55	11.7
1906	4,566	127	27.8	13	102.3	53	11.6
1907	4,600	111	24.1	13	117.1	57	12.3
1908	4,670	122	26.1	9	73.7	45	9.6
1909	4,750	98	20.6	8	81.6	41	9.2
1910	4,800	120	25.0	6	50.0	19	10.2
1911	4,630	124	26.7	17	137.0	56	12.0
1912	4,650	89	19.1	16	112.3	55	11.8
1913	4,675	108	23.1	5	16.2	39	8.3
1914	4,725	92	19.4	8	86.9	52	11.0
1915	4,790	95	20.1	15	157.8	60	12.5
1916	4,665	98	19.3	3	30.6	42	8.7
1917	4,445	56	11.2	6	107.1	50	11.2
1918	4,667	65	12.4	9	138.4	61	13.0
1919	5,044	73	13.9	6	82.1	50	9.9
1920	5,244	109	20.9	4	36.6	49	7.8
1921	4,944	90	18.3	6	66.6	47	9.5
1922	4,970	88	17.7	4	45.4	41	8.8
1923	4,956	69	13.9	6	86.9	50	10.0
1924	5,001	75	14.9	2	26.6	16	9.1
1925	4,946	77	15.5	5	64.9	57	11.5
1926	4,983	68	13.6	3	41.1	42	8.4
1927	4,934	79	16.0	3	37.8	57	11.5
1928	4,906	77	15.6	4	51.9	49	9.9
1929	4,931	74	14.9	4	51.0	55	11.1
1930	4,839	57	11.7	3	52.5	68	14.5
1931	4,715	61	13.5	4	62.8	50	10.6
1932	4,696	52	11.0	2	38.4	48	10.2
1933	4,679	63	13.4	1	15.8	61	13.0
1934	4,640	52	11.2	4	76.9	57	12.2
1935	4,517	55	12.0	3	56.3	46	10.1
1936	4,485	56	12.4	5	89.4	49	10.9
1937	4,484	67	14.9	2	29.8	54	12.0
1938	4,500	58	12.8	3	51.7	55	12.2
1939	‡ 4,542	—	—	—	—	—	—
	† 4,663	70	15.4	3	42.8	49	10.5
1940	5,027	57	11.3	4	70.2	55	10.9
1941	5,237	69	13.2	6	86.9	61	11.6
1942	4,749	90	18.9	2	22.2	55	11.5
1943	4,535	86	11.8	2	23.2	60	13.2
1944	4,568	72	15.8	2	27.8	62	13.6
1945	4,427	74	16.7	4	54.1	59	13.3
1946	4,706	79	16.8	2	25.31	54	10.85
1947	4,812	85	17.61	2	23.52	59	12.26
1948	4,697	102	21.71	Nil.	—	55	11.70
1949	4,967	83	16.71	4	48.19	75	15.09
1950	4,969	83	16.68	1	12.04	47	9.65
1951	5,039	81	16.07	2	24.69	62	12.30
1952	4,996	74	14.81	Nil.	—	58	11.60
1953	5,090	79	15.52	1	12.65	47	9.23
1954	5,110	73	14.28	1	13.69	48	9.39
1955	5,100	76	14.90	Nil.	—	53	10.39
1956	5,100	67	13.13	3	41.77	71	13.92
1957	5,080	60	11.81	2	33.33	55	10.82
1958	5,140	73	11.20	2	27.39	48	9.33
1959	5,160	65	12.59	1	15.38	57	11.04
1960	5,210	65	12.47	4	61.53	61	11.70
1961	5,170	66	12.76	1	15.15	61	11.79
1962	5,210	75	11.39	1	13.33	62	11.90
1963	5,200	91	17.50	1	10.98	54	10.33
1964	5,160	85	16.17	—	—	41	7.94

‡ Population for calculation of Birth-rate.

† Population for calculation of Death-rate.

TABLE NO. 3.

Prescribed particulars on the administration of the Factories Act, 1961,  
for the year, 1964

## PART I OF THE ACT

## 1.—Inspections for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

<i>Premises</i>	<i>Number on Register</i>	<i>Number of</i>		
		<i>Inspections</i>	<i>Written notices</i>	<i>Occupiers prosecuted</i>
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ... ..	4	4	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ..	38	29	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	4	7	—	—
TOTAL ...	46	40	—	—

## 2.—Cases in which defects were found

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred To H.M. Inspector	By H.M. Inspector	
Sanitary Conveniences (S.7) :					
Want of cleanliness (S.I.) ...	—	—	—	—	—
(a) insufficient ...	—	—	—	—	—
(b) Unsuitable or defective ...	—	—	—	—	—
(c) Not separate for sexes ...	—	—	—	—	—
Other offences against the Act (not including offences relating to outwork) ...	—	—	—	—	—
TOTAL ...	—	—	—	—	—

## PART VIII OF THE ACT

## Outwork (Sections 133 and 134)

<i>Nature of Work</i>	<i>Section 133</i>			<i>Section 134</i>		
	<i>No. of out-workers in August list required by Sect. 110 (1) (c)</i>	<i>No. of cases of default in sending lists to the Council</i>	<i>No. of prosecutions for failure to supply list.</i>	<i>No. of instances of work in unwholesome premises</i>	<i>Notices served</i>	<i>Prosecutions</i>
Wearing Apparel— Making, etc. ...	19	—	—	—	—	—
Cleaning and washing ...	—	—	—	—	—	—
Stuffed Toys ...	9	—	—	—	—	—
TOTAL ...	28	—	—	—	—	—

TABLE NO. 4.

## MONTHLY INCIDENCE OF NOTIFIABLE DISEASES.

(Other than Tuberculosis) 1964.

<i>Disease</i>	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Smallpox ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles ...	—	—	—	—	—	—	22	1	—	—	—	—	23
Whooping Cough	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Influenza ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-Spinal Fever	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	—	—	—	—	—	—	—	—	—	—	—	—	—
Infective Hepatitis	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS ...	—	—	—	—	—	—	22	1	—	—	—	—	23

TABLE NO. 5.

## AGE INCIDENCE OF NOTIFIABLE DISEASES.

(Other than Tuberculosis) 1964.

<i>Disease</i>	—1	—2	—3	—4	—5	—10	—15	—20	—35	—45	—65	65+	All Ages	Removed to Hospital	Deaths
Scarlet Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles ...	—	3	1	3	6	10	—	—	—	—	—	—	23	1	—
Whooping Cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Influenza ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-Spinal Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Infective Hepatitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS ...	—	3	1	3	6	10	—	—	—	—	—	—	23	1	—

TABLE NO. 6.

NEW CASES OF AND DEATHS FROM TUBERCULOSIS, 1964.

<i>Age Periods</i>	NEW CASES.				DEATHS.			
	<i>Respiratory.</i>		<i>Non-respiratory.</i>		<i>Respiratory.</i>		<i>Non-respiratory.</i>	
	<i>Male.</i>	<i>Female.</i>	<i>Male.</i>	<i>Female.</i>	<i>Male.</i>	<i>Female.</i>	<i>Male.</i>	<i>Female.</i>
— 1	—	—	—	—	—	—	—	—
— 5	—	—	—	—	—	—	—	—
—15	—	—	—	—	—	—	—	—
—25	—	—	—	—	—	—	—	—
—35	—	—	—	—	—	—	—	—
—45	—	—	—	—	—	—	—	—
—55	—	—	—	—	—	—	—	—
—65	—	—	—	—	—	—	—	—
65+	1	—	—	—	—	1	—	—
TOTALS	1	—	—	—	—	1	—	—

TABLE NO. 7.

ANALYSIS OF WATER CONSUMPTION, 1933-1964 (Million Gallons)

<i>Year</i>	<i>Total metered Con- sumption</i>	<i>Trade %</i>	<i>Domestic Con- sumption</i>	<i>%</i>	<i>Total Con- sumption</i>
1933	—	—	—	—	31.76
1934	12.547	36.8	21.629	63.2	34.176
1935	20.157	48.9	21.020	51.1	41.177
1936	35.541	63.4	20.549	36.6	56.090
1937	45.222	68.8	20.584	31.2	65.806
1938	46.222	63.6	26.642	36.4	72.864
1939	49.244	64.2	27.505	35.8	76.749
1940	50.505	61.5	31.600	38.5	82.105
1941	46.471	54.5	38.791	45.5	85.262
1942	48.349	56.2	37.739	43.8	86.088
1943	51.797	55.6	41.401	44.4	93.198
1944	51.760	54.2	43.668	45.8	95.428
1945	45.669	50.3	45.148	49.7	90.817
1946	38.222	47.7	41.957	52.3	80.179
1947	38.894	45.3	47.006	54.7	85.900
1948	37.684	43.5	48.930	56.5	86.614
1949	45.126	46.9	51.094	53.1	96.220
1950	42.325	42.6	56.999	57.4	99.324
1951	42.705	49.3	43.820	50.7	86.252
1952	43.309	51.6	36.048	45.4	79.357
1953	41.650	48.8	43.088	51.2	85.348
1954	38.234	48.2	41.054	51.8	79.288
1955	40.158	46.7	45.788	53.3	85.946
1956	54.076	54.2	45.748	45.8	99.824
1957	57.487	52.52	52.532	47.75	110.019
1958	57.044	53.27	49.860	46.73	106.904
1959	45.567	45.76	53.996	54.24	99.563
1960	46.959	44.34	58.937	55.66	105.896
1961	46.568	42.98	61.758	57.06	108.326
1962	45.739	39.99	68.841	60.01	114.580
1963	64.574	49.87	64.900	50.13	128.474
1964	71.125	53.01	63.048	46.99	134.173

TABLE NO. 8.

Total quantities of crude sewage treated at the sewage disposal works each year.

1950	...	...	...	...	63,753,000 gallons
1951	...	...	...	...	95,486,000 gallons
1952	...	...	...	...	85,346,000 gallons
1953	...	...	...	...	77,348,000 gallons
1954	...	...	...	...	84,648,000 gallons
1955	...	...	...	...	75,170,000 gallons
1956	...	...	...	...	84,320,000 gallons
1957	...	...	...	...	98,449,000 gallons
1958	...	...	...	...	109,723,000 gallons
1959	...	..	...	...	99,898,000 gallons
1960	...	...	...	...	115,727,000 gallons
1961	...	...	...	...	96,758,000 gallons
1962	...	...	...	...	109,883,000 gallons
1963	...	...	...	...	125,228,500 gallons
1964	...	...	...	...	132,456,000 gallons









## Mildford & Munditch Rural District Council

Telephone :

Dereham { 402  
              { 403

The Guildhall,

East Dereham,  
Norfolk.

EX-107

*With the Compliments of the  
Clerk of the Council*

